

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill, deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR  
CONOCO INC.

3. ADDRESS OF WELL  
P.O. Box 450, Hobbs, N.M. 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 330' F 12 & 190' F 12  
AT TOP PROD. INTERVAL: ☒  
AT TOTAL DEPTH: ☒

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☒  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

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5. LEASE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We plan to open old - very old and abandoned  
the Blinkey formation. see attached documents.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Wm. G. Kullerford TITLE Administrative Supervisor DATE 11-10-82

APPROVED (This space for Federal or State office use)

APPROVED BY (Signature) L. W. CHESTER TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

OCT 26 1982

FOR

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions on Reverse Side

LOCKHART B-12 NO. 6

D.O., Open Additional Pay & Stimulate

Well Data

TD: 6030'      PBD: +5850'      Elevation: 3495' DF      Zero: 12' AGL

Location: 1980' FWL & 330' FNL, Section 12, T-21S, R-37E, Lea County, NM

Casing: 10-3/4", 32.75#, H-40 surface string @ 242' w/250 sx  
7-5/8", 24#, H-40 intermediate string @ 3149' w/1570 sx  
5-1/2", 14# & 15.5#, J-55 production string @ 6030' w/485 sx

Perforations: 5796'-5840' - Blinebry (180 perfs)  
5874'-5912' - Blinebry (156 perfs)

Misc: Baker Model 'K' CIBP @ +5850'

Recommended Procedure

1. Rig up & if necessary, kill well w/2% KCL TFW w/1 gal Adomall per 1000 gals.
2. POOH w/rods & pump.
  - A. Install BOP.
  - B. Tag for fill w/2-3/8" tubing.
  - C. POOH & tally 2-3/8" tubing.
3. Pick up & GIH w/4-3/4" bit, 4 - 3-1/2" drill collars, & 2-7/8" workstring.
  - A. Drill out CIBP @ +5850'.
  - B. Drill out cement from +5990' to +6020'.
  - C. Circulate wellbore clean w/2% KCL TFW w/1 gal Adomall per 1000 gals.
  - D. Spot 84 gals (2 bbls) 15% HCL-NE-FE (inhibit acid for 24 hrs @ 110° F) From +5996' to +5912'.
  - E. POOH w/2-7/8" workstring, 4 - 3-1/2" drill collars, & 4-3/4" bit.

NOTE: If necessary, obtain circulation utilizing medium size crushed oyster shells as loss circulation material.

4. GIH w/PDC-GR logging tool & wireline.
  - A. Log from +6020' to +5500'.
  - B. POOH w/wireline & PDC-GR logging tool.
5. GIH w/4" decentralized select-fire perforating gun (0° phase, 1 JSPF & 0.40" EHD), collar locator, & wireline.
6. Perforate Blinebry (zone 3) @ 5953', 5960', 5970', 5979', 5985', & 5996'.  
(Total: 6 perforations.)

NOTE: Perforating depths are based on open-hole log & are to be correlated w/PDC-GR log ran in Step 4.

NOTE: Interval is to be perforated from top to bottom.

7. POOH w/wireline, collar locator, & 4" perforating gun.
8. GIH w/5-1/2" retrievable bridge plug, setting-releasing tool, 5-1/2" packer, S.N., & 2-7/8" workstring.
  - A. Hydro-test workstring w/6000 psi above slips.
  - B. Set retrievable bridge plug @ +6010'.
  - C. Set packer @ +5930'.
9. Breakdown Blinebry (zone 3) through 2-7/8" workstring @ 6 BPM as follows:

NOTE: Monitor backside during treatment.

Maximum surface treating pressure: See Pressure/Rate Chart I.

- A. Pump 504 gals (12 bbls) 28% HCL-NE-FE (inhibit acid for 24 hrs @ 110° F).
    1. Release 2 ballsealers after every 2 bbls acid pumped.  
(Total: 12 ballsealers.)
    2. Attempt to achieve ballout.
  - B. Pump 40 bbls 2% KCL TFW w/1 gal adomall per 1000 gals.
10. Release packer @ +5930'.
    - A. Run packer through perforations.
    - B. Set packer @ +5930'.
  11. Sand fracture Blinebry (zone 3) through 2-7/8" workstring in one stage as follows:

NOTE: Monitor backside during frac job.

Optimum rate: 13 BPM

Estimated surface treating pressure: 4200 psi

Maximum surface treating pressure: See Pressure/Rate Chart II

- A. Pump 3612 gals (86 bbls) 40# gelled TFW pad.
- B. Pump 1512 gals (36 bbls) 40# gelled TFW w/1 PPG 20/40 sand.
- C. Pump 2268 gals (54 bbls) 40# gelled TFW w/1.5 PPG 20/40 sand.
- D. Pump 2268 gals (54 bbls) 40# gelled TFW w/2 PPG 20/40 sand.
- E. Pump 3780 gals (90 bbls) 40# gelled TFW w/2.5 PPG 20/40 sand.
- F. Pump 3780 gals (90 bbls) 40# gelled TFW w/3 PPG 20/40 sand.
- G. Pump 1512 gals (36 bbls) 40# gelled TFW w/3 PPG 10/20 sand.
- H. Flush to end of tubing w/34 bbls 40# gelled TFW.
- I. Record ISIP & pressures every 5 minutes for 15 minutes.
- J. SION.

Volumes of Sand Fracture

40# gelled fluid	20,160 gals (480 bbls)
20/40 sand	30,240 lbs
10/20 sand	4,536 lbs

Composition of Frac Fluid (Dresser Titan)  
Per 1000 Gallons

2% KCL  
40 lbs LFW-42 (gelling agent)  
25 lbs Adomite Aqua (FLA)  
1 gal TFS-1000 (Surfactant)  
1 gal N-11 (Non-Emulsifier)  
2 lbs W. G. Breaker F

12. Swab back load (+532 bbls).
13. Release packer @ +5930'.  
A. Release retrievable bridge plug @ +6010'.  
B. Set retrievable bridge plug @ +5930'.  
C. Pressure test retrievable bridge plug w/1000 psi via packer.  
D. Set packer @ +5850'.
14. Acidize Blinebry (zone 2) through 2-7/8" workstring @ 4-6 BPM in two equal stages as follows:

NOTE: Monitor backside during treatment.

Maximum surface treating pressure: See Pressure/Rate Chart III.

- A. Pump 840 gals (20 bbls) 15% HCL-NE-FE (inhibit acid for 24 hrs @ 110° F).  
B. Pump 300 lbs diverting agent (50% benzoic acid flakes & 50% graded rock salt) mixed in 5 bbls 10 PPG brine water w/10 lbs guar gum (2 hour breaker).  
C. Pump 840 gals (20 bbls) 15% HCL-NE-FE (inhibit acid for 24 hrs @ 110° F).  
D. Pump 40 bbls 2% KCL TFW w/1 gal Adomall per 1000 gals.  
E. Shut in for 1 hour.  
F. Swab back load (+85 bbls).
15. Release packer @ +5850'.  
A. Release retrievable bridge plug @ +5930'.  
B. Set retrievable bridge plug @ +5860'.  
C. Pressure test retrievable bridge plug w/1000 psi via packer.  
D. Set packer @ +5650'.  
E. Load backside w/2% KCL TFW w/1 gal Adomall per 1000 gals.  
F. Pressure backside w/500 psi.
16. Acidize Blinebry (zone 1) through 2-7/8" workstring @ 4-6 BPM in two equal stages as follows:

NOTE: Monitor backside during treatment.

Maximum surface treating pressure: See Pressure/Rate Chart III

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D.O., Open Additional Pay & Stimulate

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- A. Pump 924 gals (22 bbls) 15% HCL-NE-FE (inhibit acid for 24 hrs @ 110° F).
  - B. Pump 350 lbs diverting agent (50% benzoic acid flakes & 50% graded rock salt) mixed in 6 bbls 10 PPG brine water w/10 lbs guar gum (2 hour breaker).
  - C. Pump 924 gals (22 bbls) 15% HCL-NE-FE (inhibit acid for 24 hrs @ 110° F).
  - D. Pump 40 bbls 2% KCL TFW w/1 gal Adomall per 1000 gals.
  - E. Shut in for 1 hour.
  - F. Swab back load (+90).
17. Release packer @ +5650'.
- A. Release retrievable bridge plug @ +5860'.
  - B. POOH & lay down 2-7/8" workstring, S.N., 5-1/2" packer, setting-releasing tool, & 5-1/2" retrievable bridge plug.
18. GIH w/open-ended mud anchor, S.N., & 2-3/8" tubing.
- A. Hydro-test tubing w/5000 psi above slips.
  - B. Land S.N. @ +5981'.
  - C. GIH w/strainer, pump, & rods.
  - D. Hang well on & place well on production.

James L. Squire  
PRODUCTION ENGINEER

10-18-82  
DATE

B. W. Farn  
SUPERVISING PRODUCTION ENGINEER

10-12-82  
DATE

\_\_\_\_\_  
DIVISION ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
DRILLING SUPERINTENDENT

\_\_\_\_\_  
DATE

CC: WELL FILE, DLW, HDM (4), FEP, GWF, CRP, JLS, JMN